

SEQUENCE LISTING

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Aoki, Kazuhiro
Baron, Roland

<120> Methods of Inhibiting Osteoclastogenesis

<130> UPN3832

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<150> 60/146,090

<151> 1999-07-28

<160> 29

<170> PatentIn Ver. 2.1

<210> 1

<211> 74

<212> PRT

<213> Homo sapiens

<400> 1

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Leu	Arg	His	Cys	Leu	Ser	Cys	Ser	Lys	Cys	Arg	Lys	Glu	Met	Gly	Gln
			20					25						30	

Val	Glu	Ile	Ser	Ser	Cys	Thr	Val	Asp	Arg	Asp	Thr	Val	Cys	Gly	Cys
			35					40					45		

Arg	Lys	Asn	Gln	Tyr	Arg	His	Tyr	Trp	Ser	Glu	Asn	Leu	Phe	Gln	Cys
		50				55					60				

Phe	Asn	Cys	Ser	Leu	Cys	Leu	Asn	Gly	Thr
65						70			

<210> 2

<211> 77

<212> PRT

<213> Homo sapiens

<400> 2

Val Cys Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu Trp Asn Trp
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Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser Asp Gln Val
20 25 30

Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys Thr Cys Arg
35 40 45

Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys Arg Leu Cys
50 55 60

Ala Pro Leu Arg Lys Cys Arg Pro Gly Phe Gly Val Ala
65 70 75

<210> 3

<211> 77

<212> PRT

<213> Homo sapiens

<400> 3

Val Cys Ala Thr Cys Ala Glu Asn Ser Tyr Asn Glu His Trp Asn Tyr
1 5 10 15

Leu Thr Ile Cys Gln Leu Cys Arg Pro Cys Asp Pro Val Met Gly Leu
20 25 30

Glu Glu Ile Ala Pro Cys Thr Ser Lys Arg Lys Thr Gln Cys Arg Cys
35 40 45

Gln Pro Gly Met Phe Cys Ala Ala Trp Ala Leu Glu Cys Thr His Cys
50 55 60

Glu Leu Leu Ser Asp Cys Pro Pro Gly Thr Glu Ala Glu
65 70 75

<210> 4

<211> 76

<212> PRT

<213> Homo sapiens

<400> 4

Cys Glu Pro Cys Leu Asp Ser Val Thr Phe Ser Asp Val Val Ser Ala
1 5 10 15

Thr Glu Pro Cys Lys Pro Cys Thr Glu Cys Val Gly Leu Gln Ser Met
 20 25 30

Ser Ala Pro Cys Val Glu Ala Asp Asp Ala Val Cys Arg Cys Ala Tyr
 35 40 45

Gly Tyr Tyr Gln Asp Glu Thr Thr Gly Arg Cys Glu Ala Cys Arg Val
 50 55 60

Cys Glu Ala Gly Ser Gly Leu Val Phe Ser Cys Gln
 65 70 75

<210> 5
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 5
 Gln Cys Asp Pro Cys Ile Pro Gly Val Ser Phe Ser Pro Asp His His
 1 5 10 15

Thr Arg Pro His Cys Glu Ser Cys Arg His Cys Asn Ser Gly Leu Leu
 20 25 30

Val Arg Asn Cys Thr Ile Thr Ala Asn Ala Glu Cys Ala Cys Arg Asn
 35 40 45

Gly Trp Gln Cys Arg
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<210> 6
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 6
 Cys Arg Lys Gln Cys Glu Pro Asp Tyr Tyr Leu Asp Glu Ala Asp Arg
 1 5 10 15

Cys Thr Ala Cys Val Thr Cys Ser Arg Asp Asp Leu Val Glu Lys Thr
 20 25 30

Pro Cys Ala Trp Asn Ser Ser Arg Val Cys Glu Cys Arg Pro Gly Met
 35 40 45

Phe Cys Ser Thr Ser Ala Val Asn Ser Cys Ala Arg Cys Phe Phe His

50

55

60

Ser Val Cys Pro Ala Gly Met Ile Val Lys
65 70

<210> 7

<211> 74

<212> PRT

<213> Homo sapiens

<400> 7

Cys Arg Lys Gln Cys Glu Pro Asp Tyr Tyr Leu Asp Glu Ala Gly Arg
1 5 10 15

Cys Thr Ala Cys Val Ser Cys Ser Arg Asp Asp Leu Val Glu Lys Thr
20 25 30

Pro Cys Ala Trp Asn Ser Ser Arg Thr Cys Glu Cys Arg Pro Gly Met
35 40 45

Ile Cys Ala Thr Ser Ala Thr Asn Ser Cys Ala Arg Cys Val Pro Tyr
50 55 60

Pro Ile Cys Ala Ala Glu Thr Val Thr Lys
65 70

<210> 8

<211> 75

<212> PRT

<213> Homo sapiens

<400> 8

Glu Cys Leu Pro Cys Gly Glu Ser Glu Phe Leu Asp Thr Trp Asn Arg
1 5 10 15

Glu Thr His Cys His Gln His Lys Tyr Cys Asp Pro Asn Leu Gly Leu
20 25 30

Arg Val Gln Gln Lys Gly Thr Ser Glu Thr Asp Thr Ile Cys Thr Cys
35 40 45

Glu Glu Gly Trp His Cys Thr Ser Glu Ala Cys Glu Ser Cys Val Leu
50 55 60

His Arg Ser Cys Ser Pro Gly Phe Gly Val Lys
65 70 75

<210> 9
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 9
 Asp Cys Val Pro Cys Gln Glu Gly Lys Glu Tyr Thr Asp Lys Ala His
 1 5 10 15

Phe Ser Ser Lys Cys Arg Arg Cys Arg Leu Cys Asp Glu Gly His Gly
 20 25 30

Leu Glu

<210> 10
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 10
 Cys Arg Pro Cys Gly Pro Gly Phe Tyr Asn Asp Val Val Ser Ser Lys
 1 5 10 15

Pro Cys Lys Pro Cys Thr Trp Cys Asn Leu Arg Ser Gly Ser Glu Arg
 20 25 30

Lys Gln Leu Cys Thr Ala Thr Gln Asp Thr Asp Thr Val Cys Arg Cys
 35 40 45

Arg Ala Gly Thr Gln Pro Leu Asp Ser Tyr
 50 55

<210> 11
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 11
 Cys Ser Pro Cys Pro Pro Asn Ser Phe Ser Ser Ala Gly Gly Gln Arg
 1 5 10 15

Thr Cys Asp Ile Cys Arg Gln Cys Lys Gly Val Phe Arg Thr Arg Lys
 20 25 30

Glu Cys Ser Ser Thr Ser Asn Ala Glu Cys Asp Cys Thr Pro Gly Phe
35 40 45

His Cys Leu Gly Ala Gly Cys Ser Met Cys Glu Gln Asp Cys Lys Gln
50 55 60

Gly Gln Glu Leu Thr
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<210> 12
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 12
Tyr Cys Glu Leu Ser Gln Tyr Leu Cys Tyr
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<210> 13
<211> 9
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 13
Tyr Cys Trp Ser Gln Asn Leu Cys Tyr
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<210> 14
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 14
Tyr Cys Trp Ser Gln Asn Tyr Cys Tyr
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<210> 15
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<212> PRT
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<220>
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Tyr Cys Trp Ser Gln Tyr Leu Cys Tyr
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<210> 16
<211> 11
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<220>
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Tyr Cys Phe Thr Ala Ser Glu Asn His Cys Tyr
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<210> 17
<211> 11
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 17
Tyr Cys Phe Thr Asn Ser Glu Asn His Cys Tyr
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<210> 18
<211> 11
<212> PRT
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<220>
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<400> 18

Tyr Cys Phe Thr Arg Ser Glu Asn His Cys Tyr
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<210> 19

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Novel Sequence

<400> 19

Phe Cys Ala Ser Glu Asn His Cys Tyr
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<210> 20

<211> 9

<212> PRT

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<223> Description of Artificial Sequence: Novel Sequence

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Tyr Cys Ala Ser Glu Asn His Cys Tyr
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<210> 21

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Novel Sequence

<400> 21

Phe Cys Asn Ser Glu Asn His Cys Tyr
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<210> 22

<211> 9

<212> PRT

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<223> Description of Artificial Sequence: Novel Sequence

<400> 22

Phe Cys Asn Ser Glu Asn Arg Cys Tyr

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<210> 23

<211> 10

<212> PRT

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<223> Description of Artificial Sequence: Novel Sequence

<400> 23

Phe Cys Asn Ser Val Glu Asn Arg Cys Tyr

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<210> 24

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Novel Sequence

<400> 24

Tyr Cys Arg Lys Glu Leu Gly Gln Val Cys Tyr

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<210> 25

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<212> PRT

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<223> Description of Artificial Sequence: Novel Sequence

<400> 25

Tyr Cys Lys Glu Pro Gly Gln Cys Tyr

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<400> 26
Tyr Cys Arg Lys Glu Met Gly Cys Tyr
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<210> 27
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<400> 27
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<400> 29

Phe Cys Val Ser Asn Asp Arg Cys Tyr

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